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**IN THE UNITED STATES ELECTED/DESIGNATED OFFICE
OF THE UNITED STATES PATENT AND TRADEMARK OFFICE
UNDER THE PATENT COOPERATION TREATY**

5 Applicant(s): Edgar Bolin et al.
 Intl. Appl. No.: PCT/DE03/00830
 Intl. Filing Date: March 14, 2003
 Title: ADAPTIVE MODULATION AND OTHER EXTENSIONS
10 OF THE PHYSICAL LAYER IN MULTIPLE ACCESS
 SYSTEMS
 Docket No.: 0112740-973

 Mail Stop PCT
 Commissioner for Patents
15 P.O. Box 1450
 Alexandria, VA 22313-1450

PRELIMINARY AMENDMENT

20 Sir:

Please amend the above-identified International Application before entry into the National stage before the U.S. Patent and Trademark Office under 35 U.S.C. §371 as follows:

25 **Amendments to the Specification** begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 29 of this paper.

Remarks begin on page 33 of this paper.